

| Ref # | Hits | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------|------------------|---------|------------------|
| S1    | 0    | (detect\$3 with precursor) and (compressor with (stall or surge)) and sensor and (raw with data) and (kalman with filter) | US-PGPUB; USPAT | OR               | ON      | 2005/06/18 11:59 |
| S2    | 0    | (detect\$3 with precursor) and compressor and sensor and (raw with data) and (kalman with filter)                         | US-PGPUB; USPAT | OR               | ON      | 2003/11/12 18:39 |
| S3    | 0    | precursor and (compressor with (stall or surge)) and sensor and (raw with data) and (kalman with filter)                  | US-PGPUB; USPAT | OR               | ON      | 2003/11/12 18:32 |
| S4    | 2    | (detect\$3 with precursor) and compressor and sensor and (raw with data) and filter                                       | US-PGPUB; USPAT | OR               | ON      | 2003/11/12 18:32 |
| S5    | 3    | "702"/\$.ccls. and (detect\$3 with precursor) and compressor and sensor and filter  | US-PGPUB; USPAT | OR               | ON      | 2003/11/12 18:33 |
| S6    | 2    | ("702"/\$.ccls. and (detect\$3 with precursor) and compressor and sensor and filter) and kalman                           | US-PGPUB; USPAT | OR               | ON      | 2003/11/12 18:39 |
| S7    | 0    | (compressor with parameter) and sensor and (raw with data) and (kalman with filter) and demolutor                         | US-PGPUB; USPAT | OR               | ON      | 2003/11/13 11:26 |
| S8    | 0    | (compressor with parameter) and sensor and (raw with data) and (kalman with filter) and demodulator                       | US-PGPUB; USPAT | OR               | ON      | 2003/11/13 11:26 |
| S9    | 0    | (compressor with parameter) and sensor and (raw with data) and (kalman with filter) and demodulat\$3                      | US-PGPUB; USPAT | OR               | ON      | 2003/11/13 11:22 |
| S10   | 0    | (compressor with parameter) and sensor and (raw with data) and (kalman with filter)                                       | US-PGPUB; USPAT | OR               | ON      | 2003/11/13 11:23 |
| S11   | 0    | compressor and precursor and sensor and (raw with data) and (kalman with filter)  | US-PGPUB; USPAT | OR               | ON      | 2003/11/13 11:24 |
| S12   | 0    | compressor and precursor and sensor and raw and (kalman with filter)  | US-PGPUB; USPAT | OR               | ON      | 2003/11/13 11:24 |
| S13   | 3    | compressor and precursor and sensor and data and (kalman with filter)   | US-PGPUB; USPAT | OR               | ON      | 2004/05/19 10:48 |
| S14   | 18   | (compressor with parameter) and sensor and (raw with data)  | US-PGPUB; USPAT | OR               | ON      | 2003/11/13 11:53 |

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|-----|---|--|-----------------|----|-----|------------------|
| S15 | 0 | ((compressor with parameter) and sensor and (raw with data) ) and demodulator  | US-PGPUB; USPAT | OR | ON  | 2003/11/13 11:26 |
| S16 | 0 | ((compressor with parameter) and sensor and (raw with data) ) and (kalman with filter)   | US-PGPUB; USPAT | OR | ON  | 2003/11/13 11:26 |
| S17 | 0 | ((compressor with parameter) and sensor and (raw with data) ) and precursor  | US-PGPUB; USPAT | OR | ON  | 2003/11/13 11:27 |
| S18 | 0 | ((compressor with parameter) and sensor and (raw with data) ) and precursor  | US-PGPUB; USPAT | OR | ON  | 2003/11/13 11:27 |
| S19 | 0 | (compressor with parameter) and (frequency near5 demodulator) and (kalman near5 filter)  | US-PGPUB; USPAT | OR | ON  | 2003/11/13 11:33 |
| S20 | 0 | (compressor with parameter) and demodulator and (kalman near5 filter)  | US-PGPUB; USPAT | OR | ON  | 2003/11/13 14:54 |
| S21 | 1 | (compressor with parameter) and (frequency near5 demodulat\$3) and (kalman near5 filter)                                       | US-PGPUB; USPAT | OR | ON  | 2003/11/13 11:35 |
| S22 | 2 | precursor and (frequency near5 demodulat\$3) and (kalman near5 filter)   | US-PGPUB; USPAT | OR | ON  | 2003/11/13 14:52 |
| S23 | 5 | ("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.  | USPAT           | OR | OFF | 2003/11/13 11:37 |
| S24 | 0 | (("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.) and (frequency near5 demodulat\$3) and (kalman near5 filter) | US-PGPUB; USPAT | OR | ON  | 2003/11/13 11:37 |
| S25 | 0 | (("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.) and (frequency near5 demodulat\$3)                           | US-PGPUB; USPAT | OR | ON  | 2003/11/13 11:37 |
| S26 | 0 | (("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.) and demodulat\$3 and (kalman near5 filter)                   | US-PGPUB; USPAT | OR | ON  | 2003/11/13 11:55 |
| S27 | 3 | (stall with precursor) and (kalman with filter)  | US-PGPUB; USPAT | OR | ON  | 2003/11/13 15:04 |
| S28 | 3 | precursor and (kalman with filter) and compressor  | US-PGPUB; USPAT | OR | ON  | 2003/11/13 11:50 |

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|-----|----|---|-----------------|----|----|------------------|
| S29 | 20 | ("6231306" or "6231301" or "6059522" or "4216672" or "5594665" or "5915917" or "5340271" or "5275528" or "5732546" or "6260350" or "6343251" or "6364602" or "6226974" or "6092029" or "4429578" or "5195046" or "5152172" or "4480480" or "5471880" or "4996880").pn.  | US-PGPUB; USPAT | OR | ON | 2003/11/13 17:09 |
| S30 | 1  | ((compressor with parameter) and sensor and (raw with data) ) and (( "6231306" or "6231301" or "6059522" or "4216672" or "5594665" or "5915917" or "5340271" or "5275528" or "5732546" or "6260350" or "6343251" or "6364602" or "6226974" or "6092029" or "4429578" or "5195046" or "5152172" or "4480480" or "5471880" or "4996880").pn.) | US-PGPUB; USPAT | OR | ON | 2003/11/13 15:10 |
| S31 | 0  | ((("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.) and demodulat\$3 and (kalman near5 filter)) and demodulat\$3 and (kalman near5 filter)   | US-PGPUB; USPAT | OR | ON | 2003/11/13 11:55 |
| S32 | 0  | (compressor with surge) and demodulator and (kalman near5 filter)   | US-PGPUB; USPAT | OR | ON | 2003/11/13 14:42 |
| S33 | 0  | (compressor with surge) and demodulator and (kalman near5 filter)   | US-PGPUB; USPAT | OR | ON | 2003/11/13 14:42 |
| S34 | 1  | (compressor with surge) and demodulat\$3 and (kalman near5 filter)  | US-PGPUB; USPAT | OR | ON | 2003/11/13 15:05 |
| S35 | 0  | (compressor with parameter) and demodulator and sensor and (raw with data)  | US-PGPUB; USPAT | OR | ON | 2003/11/13 14:54 |
| S36 | 3  | (compressor with parameter) and demodulator and (sensor with output\$3 with data)   | US-PGPUB; USPAT | OR | ON | 2003/11/13 17:29 |
| S37 | 38 | precursor and (kalman with filter)  | US-PGPUB; USPAT | OR | ON | 2003/11/13 17:10 |
| S38 | 3  | ( precursor and (kalman with filter) ) and demodulat\$3   | US-PGPUB; USPAT | OR | ON | 2003/11/14 10:46 |
| S39 | 3  | (( precursor and (kalman with filter) ) and demodulat\$3) and frequency   | US-PGPUB; USPAT | OR | ON | 2003/11/13 17:36 |

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|-----|-----|--|-----------------|----|----|------------------|
| S40 | 2   | (monitor\$3 with compressor with parameter ) and (("6231306" or "6231301" or "6059522" or "4216672" or "5594665" or "5915917" or "5340271" or "5275528" or "5732546" or "6260350" or "6343251" or "6364602" or "6226974" or "6092029" or "4429578" or "5195046" or "5152172" or "4480480" or "5471880" or "4996880").pn.)              | US-PGPUB; USPAT | OR | ON | 2003/11/13 15:13 |
| S41 | 2   | ((monitor\$3 with compressor with parameter ) and (("6231306" or "6231301" or "6059522" or "4216672" or "5594665" or "5915917" or "5340271" or "5275528" or "5732546" or "6260350" or "6343251" or "6364602" or "6226974" or "6092029" or "4429578" or "5195046" or "5152172" or "4480480" or "5471880" or "4996880").pn.)) and sensor | US-PGPUB; USPAT | OR | ON | 2003/11/13 15:13 |
| S42 | 1   | "5413029".pn.  | US-PGPUB; USPAT | OR | ON | 2003/11/13 17:09 |
| S43 | 3   | (precursor near2 stall) and (kalman with filter)   | US-PGPUB; USPAT | OR | ON | 2003/11/13 17:12 |
| S44 | 439 | (process\$3 with data) same (kalman with filter)   | US-PGPUB; USPAT | OR | ON | 2003/11/13 17:15 |
| S45 | 3   | ((process\$3 with data) same (kalman with filter) ) and (detect\$3 with precursor)   | US-PGPUB; USPAT | OR | ON | 2003/11/13 17:14 |
| S46 | 5   | ((process\$3 with data) same (kalman with filter) ) and precursor  | US-PGPUB; USPAT | OR | ON | 2003/11/13 17:42 |
| S47 | 0   | (("6231306" or "6231301" or "6059522" or "4216672" or "5594665" or "5915917" or "5340271" or "5275528" or "5732546" or "6260350" or "6343251" or "6364602" or "6226974" or "6092029" or "4429578" or "5195046" or "5152172" or "4480480" or "5471880" or "4996880").pn.) and (kalman with filter)                                      | US-PGPUB; USPAT | OR | ON | 2003/11/14 10:12 |
| S48 | 0   | 10/065331  | US-PGPUB; USPAT | OR | ON | 2005/04/27 13:58 |
| S49 | 12  | (( compressor and (kalman with filter) ) and demodulat\$3) and frequency   | US-PGPUB; USPAT | OR | ON | 2003/11/13 17:43 |

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|-----|------|--|-----------------|----|-----|------------------|
| S50 | 3    | (kalman with filter) and (stall with precursor)  | US-PGPUB; USPAT | OR | ON  | 2003/11/13 17:51 |
| S51 | 1    | ((kalman with filter) and (stall with precursor)) and (demodulat\$3 with frequency)  | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:06 |
| S52 | 2560 | (demodulat\$3 with frequency) same (process\$3 with data)  | US-PGPUB; USPAT | OR | ON  | 2003/11/13 17:51 |
| S53 | 3    | ( (demodulat\$3 with frequency) same (process\$3 with data) ) and (stall with precursor)   | US-PGPUB; USPAT | OR | ON  | 2003/11/13 17:51 |
| S54 | 1    | (( (demodulat\$3 with frequency) same (process\$3 with data) ) and (stall with precursor)) and (kalman with filter)  | US-PGPUB; USPAT | OR | ON  | 2003/11/13 17:52 |
| S55 | 11   | ("4429578"   "4480480"   "4996880"   "5152172"   "5195046"   "5471880"   "5726891"   "6059522"   "6065345"   "6092029"   "6098010").PN.  | USPAT           | OR | OFF | 2003/11/14 10:05 |
| S56 | 0    | ((("4429578"   "4480480"   "4996880"   "5152172"   "5195046"   "5471880"   "5726891"   "6059522"   "6065345"   "6092029"   "6098010").PN.) and (kalman with filter) and (stall with precursor) and (demodulat\$3 with frequency) | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:09 |
| S57 | 0    | ((("4429578"   "4480480"   "4996880"   "5152172"   "5195046"   "5471880"   "5726891"   "6059522"   "6065345"   "6092029"   "6098010").PN.) and (kalman with filter)  | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:06 |
| S58 | 0    | ((("4429578"   "4480480"   "4996880"   "5152172"   "5195046"   "5471880"   "5726891"   "6059522"   "6065345"   "6092029"   "6098010").PN.) and (stall with precursor) and (demodulat\$3 with frequency)                          | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:08 |
| S59 | 3    | ((("4429578"   "4480480"   "4996880"   "5152172"   "5195046"   "5471880"   "5726891"   "6059522"   "6065345"   "6092029"   "6098010").PN.) and (demodulat\$3 with frequency)   | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:06 |

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|-----|-----|--|-----------------|----|-----|------------------|
| S60 | 0   | (("4429578"   "4480480"   "4996880"   "5152172"   "5195046"   "5471880"   "5726891"   "6059522"   "6065345"   "6092029"   "6098010").PN.) and (stall with precursor) and (demodulat\$3 with signal)  | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:08 |
| S61 | 0   | (("4429578"   "4480480"   "4996880"   "5152172"   "5195046"   "5471880"   "5726891"   "6059522"   "6065345"   "6092029"   "6098010").PN.) and (stall with precursor) and demodulat\$3  | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:10 |
| S62 | 5   | ("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.  | USPAT           | OR | OFF | 2003/11/14 10:09 |
| S63 | 0   | (("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.) and (kalman with filter) and (stall with precursor)  | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:09 |
| S64 | 0   | (("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.) and (kalman with filter)   | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:09 |
| S65 | 0   | (("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.) and (stall with precursor) and demodulat\$3  | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:10 |
| S66 | 0   | (("6231306" or "6231301" or "6059522" or "4216672" or "5594665" or "5915917" or "5340271" or "5275528" or "5732546" or "6260350" or "6343251" or "6364602" or "6226974" or "6092029" or "4429578" or "5195046" or "5152172" or "4480480" or "5471880" or "4996880").pn.) and (stall with precursor) and demodulat\$3 | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:12 |
| S67 | 399 | (kalman with filter) and (demodulat\$3 with (signal or frequency))   | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:47 |
| S68 | 2   | (( kalman with filter) and (demodulat\$3 with (signal or frequency))) and (gas with turbine)   | US-PGPUB; USPAT | OR | ON  | 2004/05/20 09:25 |

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|-----|----|---|-----------------|----|-----|------------------|
| S69 | 1  | ( (kalman with filter) and (demodulat\$3 with (signal or frequency))) and (detect\$3 with precursor)  | US-PGPUB; USPAT | OR | ON  | 2003/11/14 10:49 |
| S70 | 11 | ( (kalman with filter) and (demodulat\$3 with (signal or frequency))) and compressor  | US-PGPUB; USPAT | OR | ON  | 2004/05/20 08:53 |
| S71 | 1  | "6506010".pn.   | US-PGPUB; USPAT | OR | ON  | 2004/05/19 10:43 |
| S72 | 1  | 10/065331   | US-PGPUB; USPAT | OR | ON  | 2004/05/19 10:44 |
| S73 | 4  | (compressor and precursor and sensor and data and (kalman with filter)) and (monitor\$3 with parameter)   | US-PGPUB; USPAT | OR | ON  | 2004/05/19 10:49 |
| S74 | 1  | (((compressor and precursor and sensor and data and (kalman with filter)) and (monitor\$3 with parameter)) and (compressor with data)) and demodulator  | US-PGPUB; USPAT | OR | ON  | 2004/05/19 11:06 |
| S75 | 4  | (((compressor and precursor and sensor and data and (kalman with filter)) and (monitor\$3 with parameter)) and (compressor with data))                  | US-PGPUB; USPAT | OR | ON  | 2004/05/19 10:57 |
| S76 | 0  | (((compressor and precursor and sensor and data and (kalman with filter)) and (monitor\$3 with parameter)) and (compressor with data)) and modulator    | US-PGPUB; USPAT | OR | ON  | 2004/05/19 11:00 |
| S77 | 2  | (((compressor and precursor and sensor and data and (kalman with filter)) and (monitor\$3 with parameter)) and (compressor with data)) and demodulat\$4 | US-PGPUB; USPAT | OR | ON  | 2004/05/19 11:06 |
| S78 | 2  | ( (kalman with filter) and (demodulat\$3 with (signal or frequency))) and compressor and stall and precursor  | US-PGPUB; USPAT | OR | ON  | 2004/05/20 08:56 |
| S79 | 5  | ("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.   | USPAT           | OR | OFF | 2004/05/20 08:54 |
| S80 | 3  | ((("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.) and filter   | USPAT           | OR | OFF | 2004/05/20 09:29 |

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|-----|----|---|-----------------|----|----|------------------|
| S81 | 0  | ((("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.) and filter) and (demodulat\$3 with (signal or frequency)) and compressor and stall and precursor | US-PGPUB; USPAT | OR | ON | 2004/05/20 08:56 |
| S82 | 0  | ((("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.) and filter) and (demodulat\$3 with (signal or frequency))  | US-PGPUB; USPAT | OR | ON | 2004/05/20 08:56 |
| S83 | 2  | ((kalman with filter) and (demodulat\$3 with (signal or frequency))) and stall and precursor  | US-PGPUB; USPAT | OR | ON | 2004/05/20 09:40 |
| S84 | 4  | ((kalman with filter) and stall and precursor)  | US-PGPUB; USPAT | OR | ON | 2004/08/20 08:25 |
| S85 | 1  | ((kalman with filter) and stall and precursor) and local\$3   | US-PGPUB; USPAT | OR | ON | 2004/05/20 09:36 |
| S86 | 1  | ((kalman with filter) and (demodulat\$3 with (signal or frequency))) and (instantaneous with frequency) and (locally with dominant)                                 | US-PGPUB; USPAT | OR | ON | 2004/05/20 09:41 |
| S87 | 4  | ((kalman with filter) same precursor)   | US-PGPUB; USPAT | OR | ON | 2004/08/20 08:27 |
| S88 | 1  | ((compressor with parameter) and (kalman with filter)) and (frequency with demodulator)   | US-PGPUB; USPAT | OR | ON | 2004/08/20 08:40 |
| S89 | 8  | ((compressor with parameter) and (kalman with filter))  | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:07 |
| S90 | 4  | compressor and parameter and (kalman with filter) and (frequency with demodulator)  | US-PGPUB; USPAT | OR | ON | 2004/08/20 08:44 |
| S91 | 2  | ((compressor and parameter and (kalman with filter) and (frequency with demodulator)) and (power with generation))  | US-PGPUB; USPAT | OR | ON | 2004/08/20 08:44 |
| S92 | 1  | ((compressor and parameter and (kalman with filter) and (frequency with demodulator)) and (power with generation)) and (compressor with parameter)                  | US-PGPUB; USPAT | OR | ON | 2004/08/20 08:45 |
| S93 | 66 | ((kalman with filter) and (stall or surge))   | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:17 |
| S94 | 12 | ((kalman with filter) and (stall or surge)) and compressor  | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:08 |

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|------|-----|--|-----------------|----|----|------------------|
| S95  | 2   | ((kalman with filter) and (stall or surge)) and compressor) and demodulator                                | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:08 |
| S96  | 2   | ((kalman with filter) and (stall or surge)) and demodulator  | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:14 |
| S97  | 248 | (kalman with filter) and demodulator   | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:19 |
| S98  | 2   | ((kalman with filter) and demodulator) and (gas with turbine)  | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:18 |
| S99  | 16  | ((kalman with filter) and demodulator) and (gas turbine)   | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:16 |
| S100 | 1   | "6506010".pn.  | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:16 |
| S101 | 2   | ((kalman with filter) and demodulator) and (stall or surge)  | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:17 |
| S102 | 2   | ((kalman with filter) and demodulator) and turbine   | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:18 |
| S103 | 226 | (kalman with filter) and (demodulat\$3 with frequency)   | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:34 |
| S104 | 16  | ((kalman with filter) and (demodulat\$3 with frequency)) and (pressure with gas\$3)                        | US-PGPUB; USPAT | OR | ON | 2004/09/08 12:04 |
| S105 | 2   | ((kalman with filter) and (demodulat\$3 with frequency)) and turbine                                       | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:26 |
| S106 | 128 | ((kalman with filter) and (demodulat\$3 with frequency)) and rotat\$3                                      | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:28 |
| S107 | 3   | (((kalman with filter) and (demodulat\$3 with frequency)) and rotat\$3) and compressor                     | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:27 |
| S108 | 16  | ((kalman with filter) and (demodulat\$3 with frequency)) and rotor   | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:28 |
| S109 | 1   | (701/100 or 415/1) and (kalman with filter) and (demodulat\$3 with frequency)                              | US-PGPUB; USPAT | OR | ON | 2004/09/08 11:35 |
| S110 | 44  | ("701"/\$.ccls. or "415"/\$.ccls.) and (kalman with filter) and (demodulat\$3 with frequency)              | US-PGPUB; USPAT | OR | ON | 2004/09/08 12:06 |
| S111 | 10  | ((kalman with filter) and (demodulat\$3 with frequency)) and compressor                                    | US-PGPUB; USPAT | OR | ON | 2004/09/08 12:06 |
| S112 | 12  | ("701"/\$.ccls. or "415"/\$.ccls.) and (kalman with filter) and (demodulat\$3 with frequency) and pressure | US-PGPUB; USPAT | OR | ON | 2004/09/08 12:08 |

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|----------|----|--|---|----|-----|------------------|
| S11<br>3 | 36 | (kalman with filter) and (gas with turbine)  | US-PGPUB;<br>USPAT  | OR | ON  | 2004/09/08 12:09 |
| S11<br>4 | 21 | ( (kalman with filter) and (gas with turbine)) and frequency   | US-PGPUB;<br>USPAT  | OR | ON  | 2005/02/07 10:10 |
| S11<br>5 | 5  | ("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN.  | USPAT   | OR | OFF | 2004/09/08 14:05 |
| S11<br>6 | 0  | ("5205116"   "5448881"   "5726891"   "6231301"   "6231306").PN. and (time-series or (time adj series)) | USPAT   | OR | OFF | 2004/09/08 14:06 |
| S11<br>7 | 2  | ("6231306" "6522991").pn.  | US-PGPUB;<br>USPAT  | OR | ON  | 2005/02/05 20:32 |
| S11<br>8 | 4  | ("4799212"   "5687082"   "5784300"   "6058709").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/02/05 20:39 |
| S11<br>9 | 0  | S118 and Kalman  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2005/02/05 20:39 |
| S12<br>0 | 11 | ( (kalman with filter) and (gas with turbine)) and frequency and compressor                            | US-PGPUB;<br>USPAT  | OR | ON  | 2005/02/07 10:11 |
| S12<br>1 | 1  | 10/065331  | US-PGPUB;<br>USPAT  | OR | ON  | 2005/04/27 14:44 |
| S12<br>2 | 5  | (frequency with demodulator) and (kalman with filter) and compressor                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/04/27 15:09 |
| S12<br>3 | 11 | (low with pass with filter) and (kalman with filter) and compressor                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/04/27 15:41 |
| S12<br>4 | 0  | S123 and stator  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/04/27 15:10 |
| S12<br>5 | 6  | S123 and pressure  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/04/27 15:10 |

|          |     |  |   |    |    |                  |
|----------|-----|--|---|----|----|------------------|
| S12<br>6 | 376 | (frequency with demodulator ) and compressor and filter  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:42 |
| S12<br>7 | 19  | S126 and (compressor with pressure)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/27 15:42 |
| S12<br>8 | 3   | (detect\$3 with precursor) and (compressor with (stall or surge)) and (demodulat\$3 with signal) and (amplitude same frequency same local\$3 same dominant same (input with signal))                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/18 15:08 |
| S12<br>9 | 1   | (detect\$3 with precursor) and (compressor with (stall or surge)) and (demodulat\$3 with frequency) and (sampling same digitiz\$3 same signal same (time-series or (time near2 series) ) same (compressor with parameter)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/18 15:07 |
| S13<br>0 | 3   | (detect\$3 with precursor) and (compressor with (stall or surge)) and (demodulat\$3 with frequency) and (((band-pass or (band near2 pass)) with filter) same local\$3 same dominant same (input with signal))              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/18 15:11 |
| S13<br>1 | 1   | (detect\$3 with precursor) and (compressor with (stall or surge)) and (demodulat\$3 with frequency) and ((standard with deviation) same innovation same (kalman with filter))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/18 15:12 |